Mountain Weather Forecast

Lake District National Park

Forecast valid from 00:00 on Monday 11 Jan 2021 until 23:59 on Tuesday 12 Jan 2021

Forecast Issued on Sunday 10 Jan 2021 at 16:33

Confidence: High for changeable conditions through the coming week and for Tuesday being a fine day, but lower with regard to timings and clearance of the various bands of precipitation.

Headline for Monday 11 Jan 2021: Cloudy with outbreaks of occasionally heavy rain. Strong to gale force westerly or southwesterly winds.

Mountain weather hazards on Monday 11 Jan 2021

Blizzards Low Likelihood	**Heavy Snow** Low Likelihood	**Storm force winds** No Likelihood
Gales Medium Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** High Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** Low Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Partly cloudy (night)	Cloudy	Cloudy	Heavy Rain	Light rain	Cloudy	Heavy Rain	Sleet
Precipitation probability							
20%	40%	40%	80%	80%	30%	>95%	>95%

Forecast for Monday 11 Jan 2021

Weather: A few clear spells at first, but generally cloudy through the early hours with outbreaks of rain, with a little sleet or snow over the higher summits. Then a cloudy day with further outbreaks of occasionally heavy rain, falling, especially through the late afternoon and evening, as snow above about 900m with blizzard conditions at times. During the evening snow level is expected to fall to around 750m.

Chance of cloud free mountain/hill tops above 800m: Around 25% at times in east, otherwise little chance.

Visibility: Persistent low cloud above 450m, but cloud more broken above 600-750m at times across eastern fells. Blizzards or whiteout conditions expected at times above about 900m through the late afternoon and evening. Below the cloud visibility hazy becoming just a few kilometres in heavier rain

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Forecast for Monday 11 Jan 2021

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	29/37 W	33/43 W	34/45 SW	39/52 SW	39/52 SW	37/51 W	31/42 W	30/40 W	23/32 NW
600	24/34 W	28/40 W	29/41 SW	33/46 SW	31/44 SW	32/46 W	26/39 W	24/36 W	18/27 NW
300	11/29 W	13/33 W	13/34 W	13/37 SW	13/36 SW	15/39 W	13/32 W	12/30 W	9/23 NW
Valley	12/27 SW	15/33 SW	15/33 SW	15/35 SW	15/34 SW	16/35 W	14/30 W	13/28 W	11/23 NW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-0/-8	-0/-8	-0/-9	0/-8	2/-6	2/-5	2/-6	1/-6	-0/-7
600	2/-5	2/-5	2/-5	2/-5	4/-3	4/-2	3/-3	3/-3	2/-4
300	4/-0	4/-0	4/-0	4/-0	5/1	6/2	6/2	5/1	4/0
Valley	6/2	6/2	6/2	6/2	7/3	8/4	7/4	7/3	6/2
Freezing Level*	900m	900m	900m	900m	1500m	1300m	1200m	1200m	900m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Gusts around 65mph over ridges and summits.

Forecast for Tuesday 12 Jan 2021

Weather: Outbreaks of rain, sleet and, increasingly above 600m, snow clearing through the early hours. Then a dry day with almost unbroken sunshine. Cloud, above the summits, increasing through the evening but remaining dry.

Maximum wind: Northerly or northwesterly 20-25mph, gusts around 45mph over ridges and summits, through the early hours, decreasing 15mph through the morning.

Chance of cloud free mountain/hill tops above 800m: Little chance through much of the night becoming 100% by dawn with little or no cloud expected below the summits through daylight hours.

Visibility: Periods or persistent cloud above 450-600m at first clearing by dawn. Visibility through the day very good with some good panoramic views of freshly snow covered fell tops.

Temperature: **Valleys:** Around plus 1 Celsius at dawn rising to plus 4 Celsius by day.
At 800m: Falling by dawn to minus 4 Celsius, and remaining close to this figure through the day
Freezing level: 900m falling to less than 300m.

Wednesday	Occasionally heavy rain, preceded for a time by snow, spreading east through the early hours, clearing during the evening. Strengthening southeasterly winds, turning westerly later. Freezing level rising above summits soon after dawn.
Thursday	Risk of one or two showers, snow on summits, but generally dry with sunny spells. Occasionally strong westerly or northwesterly winds turning more southwesterly and easing. Freezing level falling to 900m.
Friday	Dry bright start with sunny spells but cloud increasing in afternoon with rain, perhaps some summit snow, later. Strengthening southerly winds. Freezing level 900m rising above summits.

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Mountain Weather Forecast

Ground Conditions Supplement

Sunday 10 January Location: Helvellyn summit at 12:30 Full report: We are continuing to provide the Fell Top Reports for people undertaking their daily local exercise during the lockdown. We would like to remind everyone that Government guidance stipulates that people should stay at home and exercise locally to where they live. A dramatic change in conditions overnight with the freezing level rising above the summits. The snow level is currently around 400m with the depth increasing with altitude. The large areas of ice which exist on many paths are proving very resistant to the thaw and microspikes are still very useful for anyone going above the snowline. Away from the paths the snow pack is now very soft & wet making heavy going. In places it has drifted up to 1m deep. Striding & Swirral Edges are both still buried in soft insecure snow and rime on which a slide would be very hard to stop even with an ice axe. The Helvellyn plateau has a complete covering of wet snow, slushy ice & rime meaning that navigation in poor visibility is very tricky as paths and features are often obscured. The cornices that formed above N through E aspects yesterday are becoming saturated and are incredibly unstable. Please give them a wide berth and advise others with less experience likewise a slight drop in temperature will quickly refreeze the saturated snowpack giving very serious conditions for those without the appropriate skills and equipment. Full winter clothing (waterproofs, extra warm layers, hat & gloves), mountain boots and equipment (torch, map, compass, whistle & survival bag) are all essential for anyone going out onto the fells. For those venturing above the snowline onto steeper and more exposed terrain, like the Helvellyn Edges, an ice axe and crampons are essential. For lower easier angled terrain and icy paths microspikes and poles are extremely useful. Deep snow obscuring landmarks combined with low cloud demands excellent navigational skills as paths cannot simply be followed and steep drops are far less obvious Goggles are also recommended to enable you to navigate in windy conditions. Please be conservative with your plans and know your limits. Temperature: plus 0.1C Maximum wind speed 22.3mph Wind chill: minus 7.5C Average wind speed: 17.6mph

Issued at: 1633 on Sun 10 Jan 2021

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